

## **APPENDIX A**

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**CORRESPONDENCE BETWEEN  
THE TRI-COUNTIES REGIONAL CANCER REGISTRY  
AND  
THE OFFICE OF ENVIRONMENTAL HEALTH HAZARD  
ASSESSMENT**

**Regarding Cancer Incidence in Lompoc, California  
July 21, 1997**

**AND**

**LISTING OF SEER SITE RECODES  
FOR  
ICD-O-2 INCIDENCE DATA AND ICD-9 MORTALITY DATA**



## NOTE TO READERS

Appendix A consists of:

- 1) A three-page letter from Dr. Kiu Nasser, Tri-Counties Regional Cancer Registry, to Dr. Joy Wisniewski, OEHHA, dated July 21, 1997. The letter provides requested information on cancer incidence for Lompoc, California. The actual data are reproduced in Table 1 of the report.
- 2) List of SEER site recodes for ICD-O-2 incidence data and SEER site recodes for ICD-9 mortality data (6 pages). These are codes that were used by the Tri-Counties Regional Cancer Registry in their of the cancer incidence data for Lompoc. The International Classification of Disease, or ICD, codes correspond to the anatomical site description where the cancer was diagnosed.

To request a copy of Appendix A, please contact Dr. Joy Wisniewski at (916) 327-7324. Due to the large volume of memory that these files required as scanned material, they could not be posted on the website.

## **APPENDIX B**

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### **BIRTH DEFECTS AND BIRTH PROFILES**

## NOTE TO READERS

Pages B-1 through B-4 of Appendix B consist of the report produced by the California Birth Defects Monitoring Program (CBDMP) entitled “Birth Defects in Lompoc” and dated September 1996. If you would like a copy of this report, you may contact Dr. Joy Wisniewski of OEHHA at (916) 327-7324. Also, you may contact the CBDMP directly at (209) 224-2212.

Page B-5 is a memorandum from Sonja Bentley, Community Services Manager, CBDMP, to Joy Wisniewski, Staff Toxicologist, OEHHA, dated June 20, 1997. The memo states:

“Per your request, we have looked at our registry data to determine if there were any birth defect cases in zip code 93438 [Lompoc P.O. Boxes] from 1987-1989. We found no (0) cases out of a total of 2 births with this zip code listed on the birth certificate.

Please let me know if I can be of further help.”

Due to the large volume of memory that these files required as scanned material, they could not be posted on the website.

## BIRTH PROFILE DATA FROM “BIRTH PROFILES BY COUNTY AND ZIP CODE”

**Table B-1. Ages of Mothers in Lompoc and Comparison Areas for the Years 1988 to 1994<sup>a</sup>**

Year	Percent (%) of Mothers						
	1988	1989	1990	1991	1992	1993	1994
<b>Area</b>							
<i>&lt;20 years</i>							
<b>Lompoc</b>	12.9	14.1	12.1	13.8	14.9	16.2	16.2
<b>Santa Barbara Co.</b>	11.1	10.8	10.9	11.5	12.3	13.1	12.6
<b>San Luis Obispo Co.</b>	10.2	8.8	9.7	9.8	10.3	10.1	10.3
<b>California</b>	11.1	11.4	11.6	11.8	11.8	12.0	12.3
<i>20-29 years</i>							
<b>Lompoc</b>	61.2	59.4	61.5	56.3	54.4	52.9	56.3
<b>Santa Barbara Co.</b>	55.1	56.8	55.9	55.3	53.9	53.4	51.5
<b>San Luis Obispo Co.</b>	54.2	54.5	53.4	53.1	52.1	52.3	48.8
<b>California</b>	57.4	56.6	56.0	55.2	54.3	53.4	52.0
<i>30-34 years</i>							
<b>Lompoc</b>	18.8	18.5	18.6	21.6	22.4	20.7	18.0
<b>Santa Barbara Co.</b>	23.5	22.2	22.3	22.0	21.9	21.9	22.3
<b>San Luis Obispo Co.</b>	25.0	25.2	24.5	24.3	23.4	23.6	25.3
<b>California</b>	21.7	21.6	21.8	21.9	22.2	22.5	22.9
<i>35+ years</i>							
<b>Lompoc</b>	7.0	7.9	7.7	8.3	8.3	10.2	9.5
<b>Santa Barbara Co.</b>	10.2	10.1	10.8	11.1	11.9	11.6	13.6
<b>San Luis Obispo Co.</b>	10.6	11.4	12.3	12.7	14.2	13.9	15.7
<b>California</b>	9.9	10.2	10.6	11.1	11.7	12.1	12.7

<sup>a</sup> From “Birth Profiles by County and Zip Code”, Health Data and Statistics Branch, California Department of Health Services

**Table B-2. Race/Ethnicity of Mothers in Lompoc and Comparison Areas for the Years 1988 to 1994<sup>a</sup>**

Year	Percent (%) of Mothers						
	1988	1989	1990	1991	1992	1993	1994
Area							
Native American							
Lompoc	0.4	0.3	0.4	0.4	0.7	0.6	0.7
Santa Barbara Co.	0.4	0.5	0.3	0.3	0.4	0.4	0.4
San Luis Obispo Co.	1.2	0.4	0.4	0.5	0.4	0.4	0.3
California	0.5	0.5	0.4	0.4	0.4	0.5	0.5
Asian/Pacific & Filipino							
Lompoc	6.5	7.1	6.6	7.3	9.4	8.2	7.6
Santa Barbara Co.	4.0	4.0	4.0	4.0	4.2	4.4	4.6
San Luis Obispo Co.	2.8	2.2	2.3	2.4	2.7	3.0	2.2
California	9.3	8.8	9.2	9.4	9.7	9.8	10.2
Black							
Lompoc	6.5	5.4	6.3	5.5	4.9	5.6	7.6
Santa Barbara Co.	2.9	2.4	2.6	2.2	2.3	1.9	2.5
San Luis Obispo Co.	1.7	1.7	1.4	1.3	1.6	1.3	1.3
California	8.5	8.4	7.9	7.7	7.6	7.5	7.3
Hispanic							
Lompoc	24.8	31.7	35.1	37.2	37.8	38.1	41.7
Santa Barbara Co.	39.1	43.3	47.3	49.4	51.8	53.3	54.2
San Luis Obispo Co.	17.4	18.1	20.6	22.3	25.2	25.6	26.1
California	34.3	37.2	40.1	42.3	43.8	44.8	45.4
White							
Lompoc	61.5	54.4	51.5	49.6	47.1	47.5	42.1
Santa Barbara Co.	53.3	49.1	45.6	44.0	41.0	39.8	38.1
San Luis Obispo Co.	76.7	77.5	75.3	73.6	69.6	69.4	70.1
California	46.5	44.4	41.9	39.8	38.0	36.9	36.1

<sup>a</sup> From "Birth Profiles by County and Zip Code", Health Data and Statistics Branch, California Department of Health Services.

**Table B-3. Trimester of First Prenatal Care of Mothers in Lompoc and Comparison Areas for the Years 1988 to 1994<sup>a</sup>**

Year	Percent (%) of Mothers <sup>b</sup>						
	1988	1989	1990	1991	1992	1993	1994
<b>Area</b>							
<i>First trimester</i>							
<b>Lompoc</b>	76.1	70.9	72.8	70.6	69.4	74.1	75.4
<b>Santa Barbara Co.</b>	77.0	73.5	75.2	71.2	72.3	74.0	77.4
<b>San Luis Obispo Co.</b>	79.0	81.3	76.0	74.2	78.3	81.1	80.4
<b>California</b>	74.2	72.1	71.7	72.2	74.5	76.1	77.1
<i>Second trimester</i>							
<b>Lompoc</b>	18.8	23.4	20.4	23.8	23.5	20.1	19.2
<b>Santa Barbara Co.</b>	17.5	19.9	18.3	21.0	20.8	20.2	17.9
<b>San Luis Obispo Co.</b>	14.3	14.2	17.4	19.9	17.4	15.4	15.1
<b>California</b>	18.4	20.0	20.4	20.6	19.4	18.0	17.2
<i>Third trimester</i>							
<b>Lompoc</b>	2.9	4.5	5.0	5.1	5.5	4.7	4.8
<b>Santa Barbara Co.</b>	3.3	5.1	5.3	6.5	5.5	4.6	3.9
<b>San Luis Obispo Co.</b>	2.5	3.3	5.2	5.2	3.5	2.9	3.3
<b>California</b>	4.0	4.9	4.9	4.6	3.9	3.7	3.6
<i>No prenatal care</i>							
<b>Lompoc</b>	1.6	0.8	0.9	0.4	0.5	0.6	0.5
<b>Santa Barbara Co.</b>	1.0	0.9	0.7	1.1	0.9	0.6	0.4
<b>San Luis Obispo Co.</b>	1.4	1.0	0.9	0.5	0.7	0.4	1.0
<b>California</b>	2.1	2.2	2.0	1.7	1.4	1.3	1.2

<sup>a</sup>From "Birth Profiles by County and Zip Code", Health Data and Statistics Branch, California Department of Health Services.

<sup>b</sup>Total percentages may be less than 100 percent due to exclusion of data for unknown trimester of first care.

**Table B-4. Birth Weights in Lompoc and Comparison Areas for the Years 1988 to 1994<sup>a</sup>**

Year	Percent (%) of Live Births						
	1988	1989	1990	1991	1992	1993	1994
<b>Area</b>							
<i>Very low(&lt;1500 grams)</i>							
<b>Lompoc</b>	0.9	1.3	1.3	0.5	1.0	0.6	1.1
<b>Santa Barbara Co.</b>	0.9	0.8	0.8	0.9	0.7	0.9	0.9
<b>San Luis Obispo Co.</b>	0.7	0.9	0.6	0.6	1.0	1.0	1.4
<b>California</b>	1.0	1.1	1.0	1.0	1.0	1.0	1.1
<i>Low (1500-2499 grams)</i>							
<b>Lompoc</b>	5.0	3.8	3.9	3.7	3.5	4.9	4.7
<b>Santa Barbara Co.</b>	3.8	3.9	4.1	4.3	4.3	4.3	4.5
<b>San Luis Obispo Co.</b>	3.7	4.1	4.1	5.8	3.1	4.5	3.5
<b>California</b>	5.0	5.0	4.8	4.8	4.9	5.0	5.0
<i>Normal (2500+ grams)</i>							
<b>Lompoc</b>	94.2	94.8	94.8	95.8	95.5	94.6	94.1
<b>Santa Barbara Co.</b>	95.4	95.3	95.1	94.8	95.0	94.8	94.6
<b>San Luis Obispo Co.</b>	95.6	95.0	95.3	93.5	95.9	94.4	95.1
<b>California</b>	94.0	93.9	94.2	94.2	94.1	94.0	93.8

<sup>a</sup>From "Birth Profiles by County and Zip Code", Health Data and Statistics Branch, California Department of Health Services.



## **APPENDIX C**

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DISCHARGE CATEGORY  
BY  
DIAGNOSIS RELATED GROUP (DRG) CODE



DISCHARGE CATEGORY BY DIAGNOSIS RELATED GROUP (DRG) CODE <sup>a</sup>

DISCHARGE CATEGORY	DRG CODE	DESCRIPTION OF DRG CODE
1. Bronchitis and asthma & other respiratory	096 097 098 099 100 101 102	Bronchitis/asthma age >17 w/ CC Bronchitis/asthma age >17 w/o CC Bronchitis/asthma age 0-17 Respiratory signs/symptoms w/ CC Respiratory signs/symptoms wo/ CC Other respiratory diagnoses w/ CC Other respiratory diagnoses wo/ CC
2. Interstitial lung disease	092 093	Interstitial lung disease w/ CC Interstitial lung disease w/o CC
3. Otitis media and upper respiratory disease	068 069 070	Otitis media & upper respiratory infection age >17 w/ CC Otitis media & upper respiratory infection age >17 w/o CC Otitis media & upper respiratory infection age 0-17
4. Abnormal birth outcomes	385 386  387 388 389 390	Neonates, died or transferred to other acute facility Extreme immaturity or respiratory disease syndrome, neonate  Prematurity with major problems Prematurity w/o major problems Full term neonate w/ major problems Neonate w/ other significant problems
5. Non-therapeutic abortions	380 381	Abortion w/o D&C Abortion w/ D&C, aspiration curettage or hysterotomy
6. Female reproductive malignancy	357 363 366 367	Uterine & adnexa proc for ovarian or adnexal malignancy D&C, conization & radio-implant, for malignancy Malignancy, female reproductive system w/ CC Malignancy, female reproductive system w/o CC
7. Pleurisy and pneumonia	089 090 091	Simple pneumonia & pleurisy age >17 w/ CC Simple pneumonia & pleurisy age >17 w/o CC Simple pneumonia & pleurisy age 0-17
8. Kidney neoplasm	303 318 319	Kidney, ureter & major bladder procs for neoplasm Kidney UT neoplasms w CC Kidney UT neoplasms w/o CC
9. Male reproductive malignancy	346 347	Malignancy, male reproductive system, w CC Malignancy, male reproductive system, w/o CC
10. Myeloproliferative disease	406  407  408	Myeloprolif disord or poorly diff neoplasm w/ major O.R. proc w/ CC Myeloprolif disord or poorly diff neoplasm w/ major O.R. proc w/o CC Myeloprolif disord or poorly diff neoplasm w/ other O.R. proc
11. Nervous system malignancy	010 011	Nervous system neoplasms w/ CC Nervous system neoplasms w/o CC
12. Female breast cancer	257 258 259 260 274 275	Total mastectomy for malignancy w/ CC Total mastectomy for malignancy w/o CC Subtotal mastectomy for malignancy w/ CC Subtotal mastectomy for malignancy w/o CC Malignant breast disorders w/ CC Malignant breast disorders w/o CC

DISCHARGE CATEGORY BY DIAGNOSIS RELATED GROUP (DRG) CODE <sup>a</sup>(CONT.)

DISCHARGE CATEGORY	DRG CODE	DESCRIPTION OF DRG CODE
13. Respiratory malignancy	082	Respiratory neoplasms
14. Seizures and headaches	024	Seizure & headache age >17 w/ CC
	025	Seizure & headache age >17 w/o CC
	026	Seizure & headache age 0-17
15. Digestive cancer	172	Digestive malignancy w/ CC
	173	Digestive malignancy w/o CC
16. Chronic obstructive pulmonary disease (COPD)	088	Chronic obstructive pulmonary disease (COPD)
17. Respiratory infection and inflammation	079	Respiratory infections & inflammations age >17 w CC
	080	Respiratory infections & inflammations age >17 w/o CC
	081	Respiratory infections & inflammations age 0-17
18. Lymphomas	400	Lymphoma & leukemia w/ major O.R. proc
	401	Lymphoma & non-acute leukemia w/ other O.R. proc w/ CC
	402	Lymphoma & non-acute leukemia w/ other O.R. proc w/o CC
	403	Lymphoma & non-acute leukemia w/ CC
	404	Lymphoma & non-acute leukemia w/o CC

<sup>a</sup> From the Office of Statewide Health Planning and Development. 1993 Discharge Data Tape Format Documentation, January 1995.

Notes:

w/ CC = with complications

w/o CC = without complications

O.R. proc. = operating room procedures